	Application No.	Applicant(s)
Notice of Allowability	09/753,983	WRIGHT, DANIEL W.
	Examiner	Art Unit
	Majid A Banankhah	2127

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *7/27/04*.

2. ☒ The allowed claim(s) is/are *21-33*.

3. ☒ The drawings filed on *05 March 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
        1. ☐ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .
    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

MAJID BANANKHAH
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Mr. Michael L. Gencarella on September 29, 2004.

Claims 1-14 are cancelled.

IN THE CLAIMS:

In claim 21, line 20, replace "hiding" with "isolating".

In claim 21, line 20, replace "from" with "within".

In claim 21, line 22, replace "hiding" with "isolating".

In claim 21, line 22, replace "from" with "within".

Examiner's Statement of Reason For Allowance

2.   The prior art of record does not teach a computer system including a processor and an

operating system, the operating system includes a graphical user interface coupled through on

output driver to the output device and on input interface including on input queue coupled

through on input driver to the input device. The operating system also includes a first list of a

first set of application programs executable by the processor and a second list of application

program windows corresponding to the first set of application programs. The processor also

executes an environment manager program. The environment manager includes a third list of a

second set of application programs and a fourth list of application program windows

corresponding to the second list of application programs. Execution of the environment manager provides for selectively swapping with the operating system the first and third lists and the second and fourth list to switch between the execution of the first and second sets of application programs. The advantage of the present invention is that a functional virtual application space and a complete user environment is created. As a further advantage of the present invention is that the relationship between the shored virtual application space and the non-shored application spaces of inter-networked computer systems mutually inter-operate in a well-defined and consistent manner. Furthermore a collaborative environment manager is provided in the form of an application, to establish a collaborative-shared virtual application space fully consistent with the normal operation of a native operating system executed by a given computer. Still the advantage of the present invention is that the inter-networking communication between collaborative systems is optimized and readily inclusive of incorporating fully collaborative participation by multiple computer systems in the shared application space.

The prior art of record fails to explicitly teach of a display data structure in conjunction with an operating system, the data structure including a first data and second data defining a first set and second set of display window determined through the execution of a shared and non-shared application program respectively. Maintaining an event data structure in conjunction with said operating system, the event data structure including third data descriptive of events generated in connection with the execution of said shared application program and fourth data descriptive of events generated in connection with the execution of said non-shored application program. Hiding said second and fourth data from said operating system during the execution of said shored application program, Hiding said first and third data from said operating system during the execution of said non-shored application program. Switching between the execution of said shored and non-shored application programs based on predetermined criteria to simulate the concurrent execution of said shared and non-shored application programs.

The prior art of record does not teach nor fairly suggest a method, system, and program for implementing components of a user interface as an object. A user interface is implemented in a first user interface program object including elements compatible with a first user interface program. A user standard application program interface (API) calling a first standard object to create a second standard object as an element of the first standard object is received. The standard API is a member of a set of standard APIs, such as the W3C APIs. A second user interface program API is generated to create a second user interface program object corresponding to the second standard object. The second user interface object is embedded as an element in the user interface program object.

Conclusion:

3.   The cited prior art of record lacks sufficient scope and implementation detail to fairly teach or suggest the combination of limitations claimed in the instant invention when the claimed means are interpreted in light of Applicant's specification, in accordance with the mandatory examination procedures set forth under M.P.E.P, §2181 C (7th Edition, revised Feb. 1, 2000).

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Applicant is reminded that any change to the order, numbering or substance of the drawing must be accompanied by a corresponding amendment to the specification reflecting the changes set forth in the formal drawing.

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Majid A. Banankhah** whose telephone number is (571) 272-**3770**. The examiner can normally be reached on Monday – Thursday, 8:00 AM – 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756.

Information regarding the status of an application may be obtained from the patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

Majid Banankhah
MAJID BANANKHAH
PRIMARY EXAMINER
9/29/04